

# Workload Report



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## Time window

From	<b>2020-12-14 00:00:00</b> (local TZ)	<b>2020-12-13 22:00:00</b> (UTC)
To	<b>2020-12-14 06:00:00</b> (local TZ)	<b>2020-12-14 04:00:00</b> (UTC)
Duration	<b>6h (21600s)</b>	

## Filters

pg\_instance **pg-crm-2031@:9342**

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# 1 General

## 1.1 Time window

From **2020-12-14 00:00:00** (local TZ)

To **2020-12-14 06:00:00** (local TZ)

Duration **6h (21600s)**

**2020-12-13 22:00:00** (UTC)

**2020-12-14 04:00:00** (UTC)

## 1.2 Filters

pg\_instance **pg-crm-2031@:9342**

## 1.3 PostgreSQL instance

Name	Version	Last startup time	Up time	Dbs	Size
pg-crm-2031@:9342	11.8	2020-12-06 15:24:46	7 days 13:34:47	2	392MB

## 1.4 Server

Name	Cpu model	Cores	Cpus	Memory	Swap
pg-crm-2031	AMD EPYC 7281 16-Core Processor	2.0	2.0	2GB	0.0

2. Workload

2.1 Global

	Total	/ second
Blocks hit	75704451.0	3504.84
Blocks read	2291849.0	106.11
Transactions	5325211.0	246.54
Rollbacks	1087.0	0.06
Generated WAL	7GB	324KB

IOs	Count	Time	Avg time
Reads	2291849.0	0.0s	

2.2 Server pg-crm-2031

	Size	/ second	Count	/ second	Time	Avg time
IOs						
Reads	16KB	1/s	4.0	1/s	0.003s	0.001s
Writes	43GB	2MB/s	6923644.0	321/s	19639.664s	0.003s

Network					Avg size
Received	1GB	56KB/s	11305667.0	524/s	110
Sent	1GB	56KB/s	11317658.0	524/s	111

Max Load 1m	2.24
Max Mem used	187MB
Max Swap used	0.0

2.3 Per database

Database	Blocks hit	/ second	Blocks read	/ second
crm	75668898.0	3503.19	2290894.0	106.06
postgres	35553.0	1.65	955.0	0.05

Database	Transactions	/ second	Rollbacks	/ second
crm	5317182.0	246.17	0.0	0.0
postgres	8029.0	0.38	1087.0	0.06

2.4 Background

	Scheduled	Requested	Total
Checkpoints	72.0	0.0	72.0

	Write time	Sync time	Total
Checkpoint time	9635.685s	17.549s	9653.234s

	Buffers
Writes during checkpoints	547147.0
Writes by BG writer	1305471.0
Writes by a backend	461256.0
Fsync by a backend	0.0
Allocated	689202.0

### 3. Temporary files

#### 3.1 Global

	Count	Size	Average size
Files	0.0	0.0	0

#### 3.2 Per database

Database	Count	Size	Average size
crm	0.0	0.0	0
postgres	0.0	0.0	0



## 4. Rows

### 4.1 Global

	Total	Per second
Fetches	5477099.0	253.57
Returned	10380550.0	480.59
Inserts	5115.0	0.24
Updates	5316774.0	246.15
Deletes	5115.0	0.24

### 4.2 Per database

Database	Fetches	Returned	Inserts	Updates	Deletes
crm	5468026.0	9950469.0	5115.0	5316774.0	5115.0
postgres	9073.0	430081.0	0.0	0.0	0.0

### 4.3 Per table

Database	Schema	Table	Type	Inserts	Updates	Hot updates	Deletes
crm	public	sbtest1	table	0.0	1059929.0	0.0	0.0
crm	public	sbtest10	table	0.0	0.0	0.0	0.0
crm	public	sbtest2	table	0.0	1058701.0	0.0	0.0
crm	public	sbtest3	table	0.0	1060290.0	0.0	0.0
crm	public	sbtest4	table	0.0	1059514.0	0.0	0.0
crm	public	sbtest5	table	0.0	1059583.0	0.0	0.0
crm	public	sbtest6	table	0.0	0.0	0.0	0.0
crm	public	sbtest7	table	0.0	0.0	0.0	0.0
crm	public	sbtest8	table	0.0	0.0	0.0	0.0
crm	public	sbtest9	table	0.0	0.0	0.0	0.0
postgres	public	cot_contrat	table	0.0	0.0	0.0	0.0
postgres	public	cot_dossier	table	0.0	0.0	0.0	0.0
postgres	public	cot_elementcotisation	table	0.0	0.0	0.0	0.0
postgres	public	cot_justificatifcalcul	table	0.0	0.0	0.0	0.0
postgres	public	test	table	0.0	0.0	0.0	0.0

## 5. Sessions workload

### 5.1 by Wait event type

Wait event type	% impact
LWLock	71.24%
CPU	28.46%
IO	0.25%
Client	0.06%
Lock	0.02%

### 5.2 by Wait event

Wait event	% impact
WALWriteLock	71.22%
CPU	28.46%
WALWrite	0.24%
ClientRead	0.06%
DataFileRead	0.02%
transactionid	0.02%
wal_insert	0.02%

### 5.3 by Database

Database	% impact
crm	99.98%
postgres	0.03%

### 5.4 by User name

User name	% impact
crm_user	99.98%
datasentinel	0.03%

## 5.5 by Command type

Command type	% impact
UPDATE	99.98%
SELECT	0.03%

## 5.6 by Query md5 id

Query md5 id	% impact
9da412ddeb2fe27cdb12e9df16667ab5	20.56%
9df8b1f6958fe8b095cc6c6a4b1c1d4c	20.31%
cc79698631dfd6ada49ff1dd821ea24b	20.1%
6fb8e9ad28ffb534804e58afe649a98a	19.8%
101f8dda390eb1c34a2ebb5e65ec8c46	19.22%
de248cd86cdd098e9bc09964ff42391f	0.02%
ff117d3d47a44fd7402838d5cd5bf037	0.02%

6. Queries

6.1 Summary

	Total	Per second	Per call
Time	642.35s	0.03s	0.001s
Calls	5340124.0	247.228	
Shared Blocks			
Hit	72690677.0	3365.31	13.62
Read	676055.0	31.3	0.13
Dirtied	1445625.0	66.93	0.28
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## 6.2 Database crm

	Total	Per second	Per call
Time	634.83s	0.03s	0.001s
Calls	5315002.0	246.065	
Shared Blocks			
Hit	72678264.0	3364.74	13.68
Read	676049.0	31.3	0.13
Dirtied	1445625.0	66.93	0.28
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

6.3 Database postgres

	Total	Per second	Per call
Time	7.53s	0.001s	0.001s
Calls	25122.0	1.164	
Shared Blocks			
Hit	12413.0	0.58	0.5
Read	6.0	0.01	0.01
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## 6.4 By execution time

Database	User	Calls	Total time	Time / call
crm	crm_user	1063690.0	127.617s	0.001s
UPDATE sbtest3 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1062893.0	127.283s	0.001s
UPDATE sbtest4 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063066.0	127.088s	0.001s
UPDATE sbtest5 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063376.0	126.723s	0.001s
UPDATE sbtest1 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1061926.0	126.017s	0.001s
UPDATE sbtest2 SET k=k+\$1 WHERE id=\$2				
postgres	datasentinel	361.0	3.988s	0.012s
select checkpoints_timed, checkpoints_req, checkpoint_write_time, checkpoint_sync_time, bu...				
postgres	datasentinel	361.0	1.338s	0.004s
select pg_roles.rolname as tag_user, ltrim(to_char(planid,\$1)) as tag_planid, ltrim(to_char(queryid_...				
postgres	datasentinel	2161.0	0.766s	0.001s
select to_char(now() at time zone \$1, \$2) as ash_time_str, now() at time zone \$3, datname as tag...				
postgres	datasentinel	361.0	0.444s	0.002s
select pg_roles.rolname as tag_user, ltrim(to_char(queryid,\$1)) as queryid, pg_database.datname as t...				
postgres	datasentinel	2161.0	0.368s	0.001s
select v.pid as tag_pid, v.datname as tag_database, coalesce(v.relid, \$1) as relid, a.xact_start as ...				
postgres	datasentinel	361.0	0.208s	0.001s
select s.datname as 'tag_database', xact_commit, xact_rollback, blks_read,blks_hit, tup_retu...				
postgres	datasentinel	361.0	0.116s	0.001s
select datname as tag_database, cast(sum(calls) as bigint) as calls, cast(sum(total_time) as bigint)...				
postgres	datasentinel	25.0	0.091s	0.004s
select plan from pg_store_plans where planid = \$1 and queryid_stat_statements = \$2				
crm	datasentinel	6.0	0.089s	0.015s
select s.relid, current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag...				
postgres	datasentinel	6.0	0.032s	0.006s
select datname as tag_database, rolname, datcollate, datatype, datconnlimit, spcname, pg_encoding_to...				
postgres	datasentinel	368.0	0.027s	0.001s
select to_char(now() at time zone \$1, \$2)				
postgres	datasentinel	361.0	0.026s	0.001s
select min(txid_current()) as txid_current, min(age(datfrozenxid)) as age_txid, min(cast(cast(datfro...				
postgres	datasentinel	8377.0	0.02s	0.001s
BEGIN				
postgres	datasentinel	7288.0	0.019s	0.001s
COMMIT				
postgres	datasentinel	7.0	0.017s	0.003s



```
select name as tag_name, setting, case when unit is null then $1 else unit end as unit, cate...
```

## 6.5 By shared blocks read

Database	User	Calls	Blocks read	Reads / call
crm	crm_user	1062893.0	143540.0	1
UPDATE sbtest4 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1061926.0	136752.0	1
UPDATE sbtest2 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063376.0	134337.0	1
UPDATE sbtest1 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063690.0	132593.0	1
UPDATE sbtest3 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063066.0	128821.0	1
UPDATE sbtest5 SET k=k+\$1 WHERE id=\$2				
crm	datasentinel	6.0	6.0	1
select current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag_relname,...				
postgres	datasentinel	6.0	6.0	1
select s.relid, current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag...				
crm	datasentinel	17.0	0.0	0
BEGIN				
crm	datasentinel	17.0	0.0	0
COMMIT				
crm	datasentinel	5.0	0.0	0
select relname, rolname as schemaname, relkind from pg_class p, pg_roles r where p.oid=\$1 and p.relo...				
crm	datasentinel	6.0	0.0	0
select s.relid, current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag...				
postgres	datasentinel	8377.0	0.0	0
BEGIN				
postgres	datasentinel	7288.0	0.0	0
COMMIT				
postgres	datasentinel	1081.0	0.0	0
ROLLBACK				
postgres	datasentinel	361.0	0.0	0
select pg_roles.rolname as tag_user, ltrim(to_char(queryid,\$1)) as queryid, pg_database.datname as t...				
postgres	datasentinel	6.0	0.0	0
select current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag_relname,...				
postgres	datasentinel	360.0	0.0	0
SELECT extract(\$1 from now() - pg_postmaster_start_time())    \$2    to_char(now() - pg_postmaster_st...				
postgres	datasentinel	361.0	0.0	0
select datname as tag_database, cast(sum(calls) as bigint) as calls, cast(sum(total_time) as bigint)...				
postgres	datasentinel	361.0	0.0	0
select s.datname as 'tag_database', xact_commit, xact_rollback, blks_read,blks_hit, tup_retu...				
postgres	datasentinel	25.0	0.0	0

```
select plan from pg_store_plans where planid = $1 and queryid_stat_statements = $2
```

## 6.6 By shared block hit

Database	User	Calls	Blocks hit	Hits / call
crm	crm_user	1062893.0	14604512.0	14
UPDATE sbtest4 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063690.0	14536601.0	14
UPDATE sbtest3 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063376.0	14517747.0	14
UPDATE sbtest1 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1063066.0	14509108.0	14
UPDATE sbtest5 SET k=k+\$1 WHERE id=\$2				
crm	crm_user	1061926.0	14507987.0	14
UPDATE sbtest2 SET k=k+\$1 WHERE id=\$2				
postgres	datasentinel	2161.0	8755.0	5
select to_char(now()) at time zone \$1, \$2) as ash_time_str, now() at time zone \$3, datname as tag...				
crm	datasentinel	6.0	1902.0	317
select current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag_relname,...				
postgres	datasentinel	361.0	722.0	2
select pg_roles.rolname as tag_user, ltrim(to_char(queryid,\$1)) as queryid, pg_database.datname as t...				
postgres	datasentinel	361.0	722.0	2
select s.datname as 'tag_database', xact_commit, xact_rollback, blks_read,blks_hit, tup_retu...				
postgres	datasentinel	361.0	722.0	2
select pg_roles.rolname as tag_user, ltrim(to_char(planid,\$1)) as tag_planid, ltrim(to_char(queryid_...				
crm	datasentinel	6.0	372.0	62
select s.relid, current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag...				
postgres	datasentinel	6.0	366.0	61
select s.relid, current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag...				
postgres	datasentinel	361.0	361.0	1
select datname as tag_database, cast(sum(calls) as bigint) as calls, cast(sum(total_time) as bigint)...				
postgres	datasentinel	361.0	361.0	1
select min(txid_current()) as txid_current, min(age(datfrozenxid)) as age_txid, min(cast(cast(datfro...				
postgres	datasentinel	2161.0	236.0	1
select v.pid as tag_pid, v.datname as tag_database, coalesce(v.relid, \$1) as relid, a.xact_start as ...				
postgres	datasentinel	6.0	102.0	17
select current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag_relname,...				
postgres	datasentinel	6.0	66.0	11
select datname as tag_database, rolname, datcollate, datatype, datconnlimit, spcname, pg_encoding_to...				
crm	datasentinel	5.0	35.0	7
select relname, rolname as schemaname, relkind from pg_class p, pg_roles r where p.oid=\$1 and p.relo...				
crm	datasentinel	17.0	0.0	0
BEGIN				
crm	datasentinel	17.0	0.0	0

COMMIT

## 7. Tables access

### 7.1 By reads

Database	Schema	Table	Type	Blocks read
crm	public	sbtest4	table	376033.0
crm	public	sbtest1	table	333468.0
crm	public	sbtest2	table	333057.0
crm	public	sbtest3	table	329498.0
crm	public	sbtest5	table	312695.0
crm	public	sbtest10	table	0.0
crm	public	sbtest6	table	0.0
crm	public	sbtest7	table	0.0
crm	public	sbtest8	table	0.0
crm	public	sbtest9	table	0.0
postgres	public	cot_contrat	table	0.0
postgres	public	cot_dossier	table	0.0
postgres	public	cot_elementcotisation	table	0.0
postgres	public	cot_justificatifcalcul	table	0.0
postgres	public	test	table	0.0

## 7.2 By hits

Database	Schema	Table	Type	Blocks hit
crm	public	sbtest4	table	4515476.0
crm	public	sbtest3	table	4512521.0
crm	public	sbtest2	table	4508488.0
crm	public	sbtest1	table	4503266.0
crm	public	sbtest5	table	4489221.0
crm	public	sbtest10	table	0.0
crm	public	sbtest6	table	0.0
crm	public	sbtest7	table	0.0
crm	public	sbtest8	table	0.0
crm	public	sbtest9	table	0.0
postgres	public	cot_contrat	table	0.0
postgres	public	cot_dossier	table	0.0
postgres	public	cot_elementcotisation	table	0.0
postgres	public	cot_justificatifcalcul	table	0.0
postgres	public	test	table	0.0

## 8. Indexes access

### 8.1 By reads

Database	Schema	Table	Index	Blocks read
crm	public	sbtest2	k_2	112422.0
crm	public	sbtest1	k_1	112235.0
crm	public	sbtest4	k_4	110153.0
crm	public	sbtest5	k_5	108759.0
crm	public	sbtest3	k_3	106405.0
crm	public	sbtest1	sbtest1_pkey	7845.0
crm	public	sbtest3	sbtest3_pkey	7649.0
crm	public	sbtest2	sbtest2_pkey	7580.0
crm	public	sbtest5	sbtest5_pkey	7556.0
crm	public	sbtest4	sbtest4_pkey	7503.0
crm	public	sbtest10	k_10	0.0
crm	public	sbtest6	k_6	0.0
crm	public	sbtest7	k_7	0.0
crm	public	sbtest8	k_8	0.0
crm	public	sbtest9	k_9	0.0
crm	public	sbtest10	sbtest10_pkey	0.0
crm	public	sbtest6	sbtest6_pkey	0.0
crm	public	sbtest7	sbtest7_pkey	0.0
crm	public	sbtest8	sbtest8_pkey	0.0
crm	public	sbtest9	sbtest9_pkey	0.0



8.2 By hits

Database	Schema	Table	Index	Blocks hit
crm	public	sbtest4	sbtest4_pkey	7413010.0
crm	public	sbtest3	sbtest3_pkey	7331149.0
crm	public	sbtest1	sbtest1_pkey	7318174.0
crm	public	sbtest2	sbtest2_pkey	7317597.0
crm	public	sbtest5	sbtest5_pkey	7306513.0
crm	public	sbtest3	k_3	3188023.0
crm	public	sbtest1	k_1	3187365.0
crm	public	sbtest2	k_2	3184465.0
crm	public	sbtest4	k_4	3184453.0
crm	public	sbtest5	k_5	3183547.0
crm	public	sbtest10	k_10	0.0
crm	public	sbtest6	k_6	0.0
crm	public	sbtest7	k_7	0.0
crm	public	sbtest8	k_8	0.0
crm	public	sbtest9	k_9	0.0
crm	public	sbtest10	sbtest10_pkey	0.0
crm	public	sbtest6	sbtest6_pkey	0.0
crm	public	sbtest7	sbtest7_pkey	0.0
crm	public	sbtest8	sbtest8_pkey	0.0
crm	public	sbtest9	sbtest9_pkey	0.0

## 9. Data size

### 9.1 By database

Database	Size
crm	384MB
postgres	8MB

### 9.2 Tables

Database	Schema	Table	Type	Size
crm	public	sbtest4	table	30MB
crm	public	sbtest2	table	28MB
crm	public	sbtest3	table	28MB
crm	public	sbtest1	table	28MB
crm	public	sbtest5	table	27MB
crm	public	sbtest10	table	21MB
crm	public	sbtest6	table	21MB
crm	public	sbtest7	table	21MB
crm	public	sbtest8	table	21MB
crm	public	sbtest9	table	21MB
postgres	public	test	table	8KB
postgres	public	cot_contrat	table	0.0
postgres	public	cot_dossier	table	0.0
postgres	public	cot_elementcotisation	table	0.0
postgres	public	cot_justificatifcalcul	table	0.0

### 9.3 Indexes

Database	Schema	Table	Index	Size
crm	public	sbtest2	k_2	18MB
crm	public	sbtest4	k_4	18MB
crm	public	sbtest1	k_1	18MB
crm	public	sbtest5	k_5	18MB
crm	public	sbtest3	k_3	17MB
crm	public	sbtest4	sbtest4_pkey	4MB
crm	public	sbtest3	sbtest3_pkey	3MB
crm	public	sbtest2	sbtest2_pkey	3MB
crm	public	sbtest1	sbtest1_pkey	3MB
crm	public	sbtest5	sbtest5_pkey	3MB
crm	public	sbtest10	k_10	2MB
crm	public	sbtest6	k_6	2MB
crm	public	sbtest7	k_7	2MB
crm	public	sbtest8	k_8	2MB
crm	public	sbtest9	k_9	2MB
crm	public	sbtest10	sbtest10_pkey	2MB
crm	public	sbtest6	sbtest6_pkey	2MB
crm	public	sbtest7	sbtest7_pkey	2MB
crm	public	sbtest8	sbtest8_pkey	2MB
crm	public	sbtest9	sbtest9_pkey	2MB

## 10. Parameters

### 10.1 Autovacuum

Name	First value	Last value	Unit
autovacuum	on	on	
autovacuum_analyze_scale_factor	0.1	0.1	
autovacuum_analyze_threshold	50	50	
autovacuum_freeze_max_age	200000000	200000000	
autovacuum_max_workers	3	3	
autovacuum_multixact_freeze_max_age	400000000	400000000	
autovacuum_naptime	60	60	s
autovacuum_vacuum_cost_delay	20	20	ms
autovacuum_vacuum_cost_limit	-1	-1	
autovacuum_vacuum_scale_factor	0.2	0.2	
autovacuum_vacuum_threshold	50	50	
DateStyle	ISO, MDY	ISO, MDY	

### 10.2 Client Connection Defaults / Locale and Formatting

Name	First value	Last value	Unit
IntervalStyle	postgres	postgres	
TimeZone	Europe/Paris	Europe/Paris	
client_encoding	UTF8	UTF8	
default_text_search_config	pg_catalog.english	pg_catalog.english	
extra_float_digits	0	0	
lc_collate	en_US.UTF-8	en_US.UTF-8	
lc_ctype	en_US.UTF-8	en_US.UTF-8	
lc_messages	en_US.UTF-8	en_US.UTF-8	
lc_monetary	en_US.UTF-8	en_US.UTF-8	
lc_numeric	en_US.UTF-8	en_US.UTF-8	
lc_time	en_US.UTF-8	en_US.UTF-8	
server_encoding	UTF8	UTF8	
timezone_abbreviations	Default	Default	
dynamic_library_path	\$libdir	\$libdir	

### 10.3 Client Connection Defaults / Other Defaults

Name	First value	Last value	Unit
gin_fuzzy_search_limit	0	0	
tcp_keepalives_count	9	9	
tcp_keepalives_idle	7200	7200	s

tcp_keepalives_interval	75	75	s
jit_provider	llvmjit	llvmjit	

## 10.4 Client Connection Defaults / Shared Library Preloading

Name	First value	Last value	Unit
local_preload_libraries			
session_preload_libraries			
shared_preload_libraries	pg_stat_statements,datasentinel,pg_stat_statements,datasentinel,pg_store_plans	pg_stat_statements,datasentinel,pg_store_plans	
bytea_output	hex	hex	

## 10.5 Client Connection Defaults / Statement Behavior

Name	First value	Last value	Unit
check_function_bodies	on	on	
client_min_messages	notice	notice	
default_tablespace			
default_transaction_deferrable	off	off	
default_transaction_isolation	read committed	read committed	
default_transaction_read_only	off	off	
gin_pending_list_limit	4096	4096	kB
idle_in_transaction_session_timeout	0	0	ms
lock_timeout	0	0	ms
row_security	on	on	
search_path	'\$user', public	'\$user', public	
session_replication_role	origin	origin	
statement_timeout	0	0	ms
temp_tablespaces			
transaction_deferrable	off	off	
transaction_isolation	read committed	read committed	
transaction_read_only	off	off	
vacuum_cleanup_index_scale_factor	0.1	0.1	
vacuum_freeze_min_age	50000000	50000000	
vacuum_freeze_table_age	150000000	150000000	
vacuum_multixact_freeze_min_age	5000000	5000000	
vacuum_multixact_freeze_table_age	150000000	150000000	
xmlbinary	base64	base64	
xmloption	content	content	
authentication_timeout	60	60	s

## 10.6 Connections and Authentication / Authentication

Name	First value	Last value	Unit
db_user_namespace	off	off	
krb_caseins_users	off	off	
krb_server_keyfile	FILE:/etc/sysconfig/pgsql/krb5.keytab	FILE:/etc/sysconfig/pgsql/krb5.keytab	
password_encryption	md5	md5	
bonjour	off	off	

## 10.7 Connections and Authentication / Connection Settings

Name	First value	Last value	Unit
bonjour_name			
listen_addresses	*	*	
max_connections	100	100	
port	9342	9342	
superuser_reserved_connections	3	3	
unix_socket_directories	/var/run/postgresql, /tmp	/var/run/postgresql, /tmp	
unix_socket_group			
unix_socket_permissions	0777	0777	
ssl	off	off	

## 10.8 Connections and Authentication / SSL

Name	First value	Last value	Unit
ssl_ca_file			
ssl_cert_file	server.crt	server.crt	
ssl_ciphers	HIGH:MEDIUM:+3DES:!aNULL	HIGH:MEDIUM:+3DES:!aNULL	
ssl_crl_file			
ssl_dh_params_file			
ssl_ecdh_curve	prime256v1	prime256v1	
ssl_key_file	server.key	server.key	
ssl_passphrase_command			
ssl_passphrase_command_supports_reload	off	off	
ssl_prefer_server_ciphers	on	on	
pg_stat_statements.max	5000	5000	

## 10.9 Customized Options

Name	First value	Last value	Unit
pg_stat_statements.save	on	on	
pg_stat_statements.track	all	all	
pg_stat_statements.track_utility	on	on	
pg_store_plans.log_analyze	off	off	

pg_store_plans.log_buffers	off	off
pg_store_plans.log_timing	off	off
pg_store_plans.log_triggers	off	off
pg_store_plans.log_verbose	off	off
pg_store_plans.max	1000	1000
pg_store_plans.min_duration	0	0
pg_store_plans.plan_format	text	text
pg_store_plans.save	off	off
pg_store_plans.track	all	all
allow_system_table_mods	off	off

### 10.10 Developer Options

Name	First value	Last value	Unit
ignore_checksum_failure	off	off	
ignore_system_indexes	off	off	
jit_debugging_support	off	off	
jit_dump_bitcode	off	off	
jit_expressions	on	on	
jit_profiling_support	off	off	
jit_tuple_deforming	on	on	
post_auth_delay	0	0	s
pre_auth_delay	0	0	s
trace_notify	off	off	
trace_recovery_messages	log	log	
trace_sort	off	off	
wal_consistency_checking			
zero_damaged_pages	off	off	
data_sync_retry	off	off	

### 10.11 Error Handling

Name	First value	Last value	Unit
exit_on_error	off	off	
restart_after_crash	on	on	
config_file	/datasentinel/data/pgdata/postgresql.conf	/datasentinel/data/pgdata/postgresql.conf	

### 10.12 File Locations

Name	First value	Last value	Unit
data_directory	/datasentinel/data/pgdata	/datasentinel/data/pgdata	
external_pid_file			

hba_file	data/sentinel/data/pgdata/pg_hba.conf	data/sentinel/data/pgdata/pg_hba.conf	
ident_file	data/sentinel/data/pgdata/pg_ident.conf	data/sentinel/data/pgdata/pg_ident.conf	
deadlock_timeout	1000	1000	ms

### 10.13 Lock Management

Name	First value	Last value	Unit
max_locks_per_transaction	64	64	
max_pred_locks_per_page	2	2	
max_pred_locks_per_relation	-2	-2	
max_pred_locks_per_transaction	64	64	
block_size	8192	8192	

### 10.14 Preset Options

Name	First value	Last value	Unit
data_checksums	off	off	
data_directory_mode	0700	0700	
debug_assertions	off	off	
integer_datetimes	on	on	
max_function_args	100	100	
max_identifier_length	63	63	
max_index_keys	32	32	
segment_size	131072	131072	8kB
server_version	11.8	11.8	
server_version_num	110008	110008	
wal_block_size	8192	8192	
wal_segment_size	16777216	16777216	B
cluster_name			

### 10.15 Process Title

Name	First value	Last value	Unit
update_process_title	on	on	
geqo	on	on	

### 10.16 Query Tuning / Genetic Query Optimizer

Name	First value	Last value	Unit
geqo_effort	5	5	
geqo_generations	0	0	
geqo_pool_size	0	0	



geqo_seed	0	0
geqo_selection_bias	2	2
geqo_threshold	12	12
constraint_exclusion	partition	partition

## 10.17 Query Tuning / Other Planner Options

Name	First value	Last value	Unit
cursor_tuple_fraction	0.1	0.1	
default_statistics_target	100	100	
force_parallel_mode	off	off	
from_collapse_limit	8	8	
jit	off	off	
join_collapse_limit	8	8	
cpu_index_tuple_cost	0.005	0.005	

## 10.18 Query Tuning / Planner Cost Constants

Name	First value	Last value	Unit
cpu_operator_cost	0.0025	0.0025	
cpu_tuple_cost	0.01	0.01	
effective_cache_size	524288	524288	8kB
jit_above_cost	100000	100000	
jit_inline_above_cost	500000	500000	
jit_optimize_above_cost	500000	500000	
min_parallel_index_scan_size	64	64	8kB
min_parallel_table_scan_size	1024	1024	8kB
parallel_setup_cost	1000	1000	
parallel_tuple_cost	0.1	0.1	
random_page_cost	4	4	
seq_page_cost	1	1	
enable_bitmapscan	on	on	

## 10.19 Query Tuning / Planner Method Configuration

Name	First value	Last value	Unit
enable_gathermerge	on	on	
enable_hashagg	on	on	
enable_hashjoin	on	on	
enable_indexonlyscan	on	on	
enable_indexscan	on	on	
enable_material	on	on	

enable_mergejoin	on	on
enable_nestloop	on	on
enable_parallel_append	on	on
enable_parallel_hash	on	on
enable_partition_pruning	on	on
enable_partitionwise_aggregate	off	off
enable_partitionwise_join	off	off
enable_seqscan	on	on
enable_sort	on	on
enable_tidscan	on	on
track_commit_timestamp	off	off

## 10.20 Replication

Name	First value	Last value	Unit
synchronous_standby_names			

## 10.21 Replication / Master Server

Name	First value	Last value	Unit
vacuum_defer_cleanup_age	0	0	
max_replication_slots	10	10	

## 10.22 Replication / Sending Servers

Name	First value	Last value	Unit
max_wal_senders	10	10	
wal_keep_segments	0	0	
wal_sender_timeout	60000	60000	ms
hot_standby	on	on	

## 10.23 Replication / Standby Servers

Name	First value	Last value	Unit
hot_standby_feedback	off	off	
max_standby_archive_delay	30000	30000	ms
max_standby_streaming_delay	30000	30000	ms
wal_receiver_status_interval	10	10	s
wal_receiver_timeout	60000	60000	ms
wal_retrieve_retry_interval	5000	5000	ms
max_logical_replication_workers	4	4	

## 10.24 Replication / Subscribers

Name	First value	Last value	Unit
max_sync_workers_per_subscription	2	2	
application_name			

## 10.25 Reporting and Logging / What to Log

Name	First value	Last value	Unit
debug_pretty_print	on	on	
debug_print_parse	off	off	
debug_print_plan	off	off	
debug_print_rewritten	off	off	
log_autovacuum_min_duration	-1	-1	ms
log_checkpoints	off	off	
log_connections	off	off	
log_disconnections	off	off	
log_duration	off	off	
log_error_verbosity	default	default	
log_hostname	off	off	
log_line_prefix	%m [%p]	%m [%p]	
log_lock_waits	off	off	
log_replication_commands	off	off	
log_statement	none	none	
log_temp_files	-1	-1	kB
log_timezone	Europe/Paris	Europe/Paris	
log_min_duration_statement	-1	-1	ms

## 10.26 Reporting and Logging / When to Log

Name	First value	Last value	Unit
log_min_error_statement	error	error	
log_min_messages	warning	warning	
event_source	PostgreSQL	PostgreSQL	

## 10.27 Reporting and Logging / Where to Log

Name	First value	Last value	Unit
log_destination	stderr	stderr	
log_directory	log	log	
log_file_mode	0600	0600	
log_filename	postgresql-%a.log	postgresql-%a.log	

log_rotation_age	1440	1440	min
log_rotation_size	0	0	kB
log_truncate_on_rotation	on	on	
logging_collector	on	on	
syslog_facility	local0	local0	
syslog_ident	postgres	postgres	
syslog_sequence_numbers	on	on	
syslog_split_messages	on	on	
backend_flush_after	0	0	8kB

## 10.28 Resource Usage / Asynchronous Behavior

Name	First value	Last value	Unit
effective_io_concurrency	1	1	
max_parallel_maintenance_workers	2	2	
max_parallel_workers	8	8	
max_parallel_workers_per_gather	2	2	
max_worker_processes	8	8	
old_snapshot_threshold	-1	-1	min
parallel_leader_participation	on	on	
bgwriter_delay	200	200	ms

## 10.29 Resource Usage / Background Writer

Name	First value	Last value	Unit
bgwriter_flush_after	64	64	8kB
bgwriter_lru_maxpages	100	100	
bgwriter_lru_multiplier	2	2	
vacuum_cost_delay	0	0	ms

## 10.30 Resource Usage / Cost-Based Vacuum Delay

Name	First value	Last value	Unit
vacuum_cost_limit	200	200	
vacuum_cost_page_dirty	20	20	
vacuum_cost_page_hit	1	1	
vacuum_cost_page_miss	10	10	
temp_file_limit	-1	-1	kB

## 10.31 Resource Usage / Disk

Name	First value	Last value	Unit
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max_files_per_process	1000	1000
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## 10.32 Resource Usage / Kernel Resources

Name	First value	Last value	Unit
autovacuum_work_mem	-1	-1	kB

## 10.33 Resource Usage / Memory

Name	First value	Last value	Unit
dynamic_shared_memory_type	posix	posix	
huge_pages	try	try	
maintenance_work_mem	65536	65536	kB
max_prepared_transactions	0	0	
max_stack_depth	2048	2048	kB
shared_buffers	16384	16384	8kB
temp_buffers	1024	1024	8kB
track_activity_query_size	65536	65536	B
work_mem	4096	4096	kB
log_executor_stats	off	off	

## 10.34 Statistics / Monitoring

Name	First value	Last value	Unit
log_parser_stats	off	off	
log_planner_stats	off	off	
log_statement_stats	off	off	
stats_temp_directory	pg_stat_tmp	pg_stat_tmp	

## 10.35 Statistics / Query and Index Statistics Collector

Name	First value	Last value	Unit
track_activities	on	on	
track_counts	on	on	
track_functions	none	none	
track_io_timing	off	off	
transform_null_equals	off	off	

## 10.36 Version and Platform Compatibility / Other Platforms and Clients

Name	First value	Last value	Unit
array_nulls	on	on	

## 10.37 Version and Platform Compatibility / Previous PostgreSQL Versions

Name	First value	Last value	Unit
backslash_quote	safe_encoding	safe_encoding	
default_with_oids	off	off	
escape_string_warning	on	on	
lo_compat_privileges	off	off	
operator_precedence_warning	off	off	
quote_all_identifiers	off	off	
standard_conforming_strings	on	on	
synchronize_seqscans	on	on	
archive_command	(disabled)	(disabled)	

## 10.38 Write-Ahead Log / Archiving

Name	First value	Last value	Unit
archive_mode	off	off	
archive_timeout	0	0	s
checkpoint_completion_target	0.5	0.5	

## 10.39 Write-Ahead Log / Checkpoints

Name	First value	Last value	Unit
checkpoint_flush_after	32	32	8kB
checkpoint_timeout	300	300	s
checkpoint_warning	30	30	s
max_wal_size	1024	1024	MB
min_wal_size	80	80	MB
commit_delay	0	0	

11. Queries details

11.1 UPDATE sbtest3 SET k=k+\$1 WHERE id=\$2

**Md5 id** 9da412ddeb2fe27cdb12e9df16667ab5  
**Query id** 6267808878785785272  
**Database** crm  
**User** crm\_user

	Total	Per second	Per call
Time	127.62s	0.006s	0.001s
Calls	1063690.0	49.245	
Shared Blocks			
Hit	14536601.0	673.0	13.67
Read	132593.0	6.14	0.13
Dirtied	286240.0	13.26	0.27
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

UPDATE sbtest3 SET k=k+\$1 WHERE id=\$2

# 11.2 UPDATE sbtest4 SET k=k+\$1 WHERE id=\$2

**Md5 id** 101f8dda390eb1c34a2ebb5e65ec8c46  
**Query id** 7363511080490450112  
**Database** crm  
**User** crm\_user

	Total	Per second	Per call
Time	127.29s	0.006s	0.001s
Calls	1062893.0	49.209	
Shared Blocks			
Hit	14604512.0	676.14	13.75
Read	143540.0	6.65	0.14
Dirtied	297371.0	13.77	0.28
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## Text

UPDATE sbtest4 SET k=k+\$1 WHERE id=\$2



### 11.3 UPDATE sbtest5 SET k=k+\$1 WHERE id=\$2

**Md5 id** 9df8b1f6958fe8b095cc6c6a4b1c1d4c  
**Query id** 7284485607870996447  
**Database** crm  
**User** crm\_user

	Total	Per second	Per call
Time	127.09s	0.006s	0.001s
Calls	1063066.0	49.217	
Shared Blocks			
Hit	14509108.0	671.72	13.65
Read	128821.0	5.97	0.13
Dirtied	278163.0	12.88	0.27
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

### Text

UPDATE sbtest5 SET k=k+\$1 WHERE id=\$2

# 11.4 UPDATE sbtest1 SET k=k+\$1 WHERE id=\$2

**Md5 id** cc79698631dfd6ada49ff1dd821ea24b  
**Query id** -5740800837756717778  
**Database** crm  
**User** crm\_user

	Total	Per second	Per call
Time	126.73s	0.006s	0.001s
Calls	1063376.0	49.231	
Shared Blocks			
Hit	14517747.0	672.12	13.66
Read	134337.0	6.22	0.13
Dirtied	295340.0	13.68	0.28
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## Text

UPDATE sbtest1 SET k=k+\$1 WHERE id=\$2

# 11.5 UPDATE sbtest2 SET k=k+\$1 WHERE id=\$2

**Md5 id** 6fb8e9ad28ffb534804e58afe649a98a  
**Query id** 7923329922665361682  
**Database** crm  
**User** crm\_user

	Total	Per second	Per call
Time	126.02s	0.006s	0.001s
Calls	1061926.0	49.164	
Shared Blocks			
Hit	14507987.0	671.67	13.67
Read	136752.0	6.34	0.13
Dirtied	288511.0	13.36	0.28
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## Text

UPDATE sbtest2 SET k=k+\$1 WHERE id=\$2

11.6 select checkpoints\_timed, checkpoints\_req, c...

**Md5 id** de248cd86cdd098e9bc09964ff42391f  
**Query id** -8637229579164371332  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	3.99s	0.001s	0.012s
Calls	361.0	0.017	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select checkpoints\_timed, checkpoints\_req, checkpoint\_write\_time, checkpoint\_sync\_time, buffers\_checkpoint, buffers\_clean, buffers\_backend, buffers\_backend\_fsync, buffers\_alloc from pg\_stat\_bgwriter

11.7 select pg\_roles.rolname as tag\_user, ltrim(to\_char...

Md5 id ff117d3d47a44fd7402838d5cd5bf037  
Query id -9055570893529299839  
Database postgres  
User datasentinel

	Total	Per second	Per call
Time	1.34s	0.001s	0.004s
Calls	361.0	0.017	
Shared Blocks			
Hit	722.0	0.04	2.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select pg\_roles.rolname as tag\_user, ltrim(to\_char(planid,\$1)) as tag\_planid,  
ltrim(to\_char(queryid\_stat\_statements,\$2)) as queryid\_stat\_statements, pg\_database.datname as tag\_database, calls,  
total\_time, rows, shared\_blks\_hit, shared\_blks\_dirtied, shared\_blks\_read, shared\_blks\_written, local\_blks\_hit,  
local\_blks\_dirtied, local\_blks\_read, local\_blks\_written, temp\_blks\_read, temp\_blks\_written, blk\_read\_time,  
blk\_write\_time, to\_char(last\_call,\$3) as last\_call from pg\_store\_plans, pg\_database, pg\_roles where  
pg\_store\_plans.queryid\_stat\_statements != \$4 and pg\_store\_plans.dbid = pg\_database.oid and pg\_store\_plans.userid  
= pg\_roles.oid

11.8 select to\_char(now() at time zone \$1, \$2) as ash\_t...

Md5 id ff2a3d18a85e4208da4e70537a755b0f  
Query id 2781603433976283333  
Database postgres  
User datasentinel

	Total	Per second	Per call
Time	0.77s	0.001s	0.001s
Calls	2161.0	0.101	
Shared Blocks			
Hit	8755.0	0.41	4.06
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select to\_char(now() at time zone \$1, \$2) as ash\_time\_str, now() at time zone \$3, datname as tag\_database, pid as tag\_process\_id, case when username is null then \$4 else username end as tag\_user\_name, case when application\_name is null or application\_name = \$5 then \$6 else application\_name end as tag\_application\_name, case when client\_hostname is null and client\_addr is null then \$7 when client\_hostname is null then cast (client\_addr as varchar) else client\_hostname end as tag\_client\_host\_name, case when wait\_event\_type is null then \$8 else wait\_event\_type end as tag\_wait\_event\_type, case when wait\_event is null then \$9 else wait\_event end as tag\_wait\_event, ltrim(to\_char(datasentinel\_queryid(pid),\$10)) as queryid, query, case when application\_name = \$11 then \$12 else backend\_type end as backend\_type, backend\_start, \$13 as value from pg\_stat\_activity where pid != pg\_backend\_pid() and state = \$14 and backend\_type not like \$15 and (wait\_event\_type != \$16 or wait\_event\_type is null)

11.9 select pg\_roles.rolname as tag\_user, ltrim(to\_char...

Md5 id 380ef46a9a3acf2c5e4827e0739d9ccc  
Query id -2796897954025461418  
Database postgres  
User datasentinel

	Total	Per second	Per call
Time	0.45s	0.001s	0.002s
Calls	361.0	0.017	
Shared Blocks			
Hit	722.0	0.04	2.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select pg\_roles.rolname as tag\_user, ltrim(to\_char(queryid,\$1)) as queryid, pg\_database.datname as tag\_database, calls, total\_time, rows, shared\_blks\_hit, shared\_blks\_dirtied, shared\_blks\_read, shared\_blks\_written, local\_blks\_hit, local\_blks\_dirtied, local\_blks\_read, local\_blks\_written, temp\_blks\_read, temp\_blks\_written, blk\_read\_time, blk\_write\_time, \$2 as wal\_bytes, MD5(query) as tag\_query\_md5\_id from pg\_stat\_statements, pg\_database, pg\_roles where pg\_stat\_statements.dbid = pg\_database.oid and pg\_stat\_statements.userid = pg\_roles.oid

11.10 select v.pid as tag\_pid, v.datname as tag\_database...

Md5 id fbd78683176e530a182eb5dde2c5037d  
Query id 7532570728614579597  
Database postgres  
User datasentinel

	Total	Per second	Per call
Time	0.37s	0.001s	0.001s
Calls	2161.0	0.101	
Shared Blocks			
Hit	236.0	0.02	0.11
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select v.pid as tag\_pid, v.datname as tag\_database, coalesce(v.relid, \$1) as relid, a.xact\_start as tag\_vacuum\_start, round(extract(\$2 from (now()- a.xact\_start))) as duration, coalesce(v.phase, \$3) as phase, coalesce(v.heap\_blks\_total,\$4) as heap\_blks\_total, coalesce(v.heap\_blks\_scanned,\$5) as heap\_blks\_scanned, coalesce(v.heap\_blks\_vacuumed,\$6) as heap\_blks\_vacuumed, coalesce(v.heap\_blks\_total,\$7) \*current\_setting(\$8)::int as table\_size, coalesce(v.heap\_blks\_scanned,\$9) \*current\_setting(\$10)::int as scanned\_size, coalesce(v.heap\_blks\_vacuumed,\$11) \*current\_setting(\$12)::int as vacuumed\_size, coalesce(v.index\_vacuum\_count,\$13) as index\_vacuum\_count, coalesce(v.max\_dead\_tuples,\$14) as max\_dead\_tuples, coalesce(v.num\_dead\_tuples,\$15) as num\_dead\_tuples from pg\_stat\_progress\_vacuum v join pg\_stat\_activity a on v.pid = a.pid where coalesce(v.relid,\$16) != \$17



11.11 select s.datname as 'tag\_database', xact\_commit,...

Md5 id a5e4d11e5e779a67a3e61365dec8250b  
Query id -3209502668898469807  
Database postgres  
User datasentinel

	Total	Per second	Per call
Time	0.21s	0.001s	0.001s
Calls	361.0	0.017	
Shared Blocks			
Hit	722.0	0.04	2.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select s.datname as 'tag\_database', xact\_commit, xact\_rollback, blks\_read,blks\_hit, tup\_returned, tup\_fetched, tup\_inserted, tup\_updated, tup\_deleted, blk\_read\_time, blk\_write\_time, temp\_bytes, temp\_files, numbackends, txid\_current() as txid\_current, age(datfrozenxid) as age\_txid, cast(cast(datfrozenxid as text)as bigint) as datfrozenxid from pg\_stat\_database s, pg\_database d where s.datname = d.datname and d.datistemplate is false

11.12 select datname as tag\_database, cast(sum(calls) as...

Md5 id a2704661f6cc239b5b15365261a0cda0  
Query id -6433517541066412636  
Database postgres  
User datasentinel

	Total	Per second	Per call
Time	0.12s	0.001s	0.001s
Calls	361.0	0.017	
Shared Blocks			
Hit	361.0	0.02	1.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select datname as tag\_database, cast(sum(calls) as bigint) as calls, cast(sum(total\_time) as bigint) as total\_time, cast(sum(temp\_blks\_read) as bigint) as temp\_blks\_read, cast(sum(temp\_blks\_written) as bigint) as temp\_blks\_written from pg\_stat\_statements, pg\_database where dbid= pg\_database.oid group by datname

11.13 select plan from pg\_store\_plans where planid = \$1 ...

**Md5 id** a7ae446410277d97be7b9a48471cdea8  
**Query id** 7905108739882145024  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.1s	0.001s	0.004s
Calls	25.0	0.002	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select plan from pg\_store\_plans where planid = \$1 and queryid\_stat\_statements = \$2

## 11.14 select s.relid, current\_database() as tag\_database...

**Md5 id** aa9f2d09267a62235bfc2e8130fa3bf0  
**Query id** -6435078205019672036  
**Database** crm  
**User** datasentinel

	Total	Per second	Per call
<b>Time</b>	0.09s	0.001s	0.015s
<b>Calls</b>	6.0	0.001	
<b>Shared Blocks</b>			
<b>Hit</b>	372.0	0.02	62.0
<b>Read</b>	0.0	0.0	0.0
<b>Dirtied</b>	0.0	0.0	0.0
<b>Written</b>	0.0	0.0	0.0
<b>Local Blocks</b>			
<b>Hit</b>	0.0	0.0	0.0
<b>Read</b>	0.0	0.0	0.0
<b>Dirtied</b>	0.0	0.0	0.0
<b>Written</b>	0.0	0.0	0.0
<b>Temporary Blocks</b>			
<b>Read</b>	0.0	0.0	0.0
<b>Written</b>	0.0	0.0	0.0

## Text

```
select s.relid, current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag_relname,
coalesce(seq_scan,$1) as seq_scan, coalesce(seq_tup_read,$2) as seq_tup_read, coalesce(idx_scan,$3) as
idx_scan, coalesce(idx_tup_fetch,$4) as idx_tup_fetch, coalesce(n_tup_ins,$5) as n_tup_ins, coalesce(n_tup_upd,$6)
as n_tup_upd, coalesce(n_tup_del,$7) as n_tup_del, coalesce(n_tup_hot_upd,$8) as n_tup_hot_upd,
coalesce(n_live_tup,$9) as n_live_tup, coalesce(n_dead_tup,$10) as n_dead_tup,
coalesce(n_mod_since_analyze,$11) as n_mod_since_analyze, case when last_vacuum is not null then
to_char(last_vacuum, $12) else $13 end as last_vacuum, case when last_autovacuum is not null then
to_char(last_autovacuum, $14) else $15 end as last_autovacuum, case when last_analyze is not null then
to_char(last_analyze, $16) else $17 end as last_analyze, case when last_autoanalyze is not null then
to_char(last_autoanalyze, $18) else $19 end as last_autoanalyze, coalesce(vacuum_count,$20) as vacuum_count,
coalesce(autovacuum_count,$21) as autovacuum_count, coalesce(analyze_count,$22) as analyze_count,
coalesce(autoanalyze_count,$23) as autoanalyze_count, coalesce(heap_blks_read,$24) as heap_blks_read,
coalesce(heap_blks_hit,$25) as heap_blks_hit, coalesce(idx_blks_read,$26) as idx_blks_read,
coalesce(idx_blks_hit,$27) as idx_blks_hit, coalesce(toast_blks_read,$28) as toast_blks_read,
coalesce(toast_blks_hit,$29) as toast_blks_hit, coalesce(tidb_x_blks_read,$30) as tidb_x_blks_read,
coalesce(tidb_x_blks_hit,$31) as tidb_x_blks_hit, coalesce(relpages,$32)::bigint*$33*$34 AS size, coalesce(relpages,$35)
as relpages, coalesce(reltuples,$36) as reltuples, relkind, case when relfrozenxid is null then $37 else age(relfrozenxid)
end as age_txid, cast(cast(relfrozenxid as text)as bigint) as relfrozenxid from pg_stat_user_tables s left outer join
pg_statio_user_tables i on s.relid = i.relid left outer join pg_class c on s.relid = c.oid
```

11.15 select datname as tag\_database, rolname, datcollat...

**Md5 id** df94189563ce286bb15614be7ee246a8  
**Query id** -6384895038707874739  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.04s	0.001s	0.006s
Calls	6.0	0.001	
Shared Blocks			
Hit	66.0	0.01	11.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select datname as tag\_database, rolname, datcollate, datctype, datconnlmit, spcname,  
pg\_encoding\_to\_char(encoding) as encoding, datallowconn, pg\_database\_size(datname) from pg\_database, pg\_roles,  
pg\_tablespace where datistemplate is false and datallowconn is true and datconnlmit != \$1 and datdba = pg\_roles.oid  
and dattablespace = pg\_tablespace.oid and datname not in (\$2, \$3, \$4, \$5)

11.16 select to\_char(now() at time zone \$1, \$2)

**Md5 id** fb1268a4d4152c97cd79784da490e612  
**Query id** 3788389275214642998  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.03s	0.001s	0.001s
Calls	368.0	0.018	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select to\_char(now() at time zone \$1, \$2)

11.17 select min(txid\_current()) as txid\_current, min(ag...

**Md5 id**    daa925ee92ef526075c6543a15c4d570  
**Query id**    -6533392253589712581  
**Database**    postgres  
**User**    datasentinel

	Total	Per second	Per call
Time	0.03s	0.001s	0.001s
Calls	361.0	0.017	
Shared Blocks			
Hit	361.0	0.02	1.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select min(txid\_current()) as txid\_current, min(age(datfrozenxid)) as age\_txid, min(cast(cast(datfrozenxid as text)as  
bigint)) as datfrozenxid from pg\_database

11.18 BEGIN

**Md5 id** 19aad9f2fe3ce0023298ab83f7e75775  
**Query id** 2397681704071010949  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.02s	0.001s	0.001s
Calls	8377.0	0.388	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

BEGIN



# 11.19 COMMIT

**Md5 id** 1d0ba376e273b9d622641124d8c59264  
**Query id** 3694949039461716331  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.02s	0.001s	0.001s
Calls	7288.0	0.338	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## Text

COMMIT

11.20 select name as tag\_name, setting, case when ...

**Md5 id** ee47cb9b6d9d4369a5a8c00060150d34  
**Query id** -5281540090869790867  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.02s	0.001s	0.003s
Calls	7.0	0.001	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select name as tag\_name, setting, case when unit is null then \$1 else unit end as unit, category, context, source from pg\_settings

11.21 select current\_database() as tag\_database, s.schem...

Md5 id 654d5c0457a2c35c7194cce31e2cb5f4  
Query id 8298445609554776432  
Database crm  
User datasentinel

	Total	Per second	Per call
Time	0.01s	0.001s	0.002s
Calls	6.0	0.001	
Shared Blocks			
Hit	1902.0	0.09	317.0
Read	6.0	0.01	1.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select current\_database() as tag\_database, s.schemaname as tag\_schemaname, s.relname as tag\_relname, s.indexrelname as tag\_indexrelname, coalesce(idx\_scan) as idx\_scan, coalesce(idx\_tup\_read) as idx\_tup\_read, coalesce(idx\_tup\_fetch) as idx\_tup\_fetch, coalesce(idx\_blks\_read,\$1) as idx\_blks\_read, coalesce(idx\_blks\_hit,\$2) as idx\_blks\_hit, coalesce(relpages,\$3)::bigint\*\$4\*\$5 AS size, coalesce(relpages,\$6) as relpages, relkind from pg\_stat\_user\_indexes s left outer join pg\_statio\_user\_indexes i on s.relid=i.relid and s.indexrelid=i.indexrelid left outer join pg\_class c on s.indexrelid = c.oid

## 11.22 select s.relid, current\_database() as tag\_database...

**Md5 id** aa9f2d09267a62235bfc2e8130fa3bf0  
**Query id** -6435078205019672036  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
<b>Time</b>	0.02s	0.001s	0.003s
<b>Calls</b>	6.0	0.001	
<b>Shared Blocks</b>			
<b>Hit</b>	366.0	0.02	61.0
<b>Read</b>	6.0	0.01	1.0
<b>Dirtied</b>	0.0	0.0	0.0
<b>Written</b>	0.0	0.0	0.0
<b>Local Blocks</b>			
<b>Hit</b>	0.0	0.0	0.0
<b>Read</b>	0.0	0.0	0.0
<b>Dirtied</b>	0.0	0.0	0.0
<b>Written</b>	0.0	0.0	0.0
<b>Temporary Blocks</b>			
<b>Read</b>	0.0	0.0	0.0
<b>Written</b>	0.0	0.0	0.0

## Text

```
select s.relid, current_database() as tag_database, s.schemaname as tag_schemaname, s.relname as tag_relname,
coalesce(seq_scan,$1) as seq_scan, coalesce(seq_tup_read,$2) as seq_tup_read, coalesce(idx_scan,$3) as
idx_scan, coalesce(idx_tup_fetch,$4) as idx_tup_fetch, coalesce(n_tup_ins,$5) as n_tup_ins, coalesce(n_tup_upd,$6)
as n_tup_upd, coalesce(n_tup_del,$7) as n_tup_del, coalesce(n_tup_hot_upd,$8) as n_tup_hot_upd,
coalesce(n_live_tup,$9) as n_live_tup, coalesce(n_dead_tup,$10) as n_dead_tup,
coalesce(n_mod_since_analyze,$11) as n_mod_since_analyze, case when last_vacuum is not null then
to_char(last_vacuum, $12) else $13 end as last_vacuum, case when last_autovacuum is not null then
to_char(last_autovacuum, $14) else $15 end as last_autovacuum, case when last_analyze is not null then
to_char(last_analyze, $16) else $17 end as last_analyze, case when last_autoanalyze is not null then
to_char(last_autoanalyze, $18) else $19 end as last_autoanalyze, coalesce(vacuum_count,$20) as vacuum_count,
coalesce(autovacuum_count,$21) as autovacuum_count, coalesce(analyze_count,$22) as analyze_count,
coalesce(autoanalyze_count,$23) as autoanalyze_count, coalesce(heap_blks_read,$24) as heap_blks_read,
coalesce(heap_blks_hit,$25) as heap_blks_hit, coalesce(idx_blks_read,$26) as idx_blks_read,
coalesce(idx_blks_hit,$27) as idx_blks_hit, coalesce(toast_blks_read,$28) as toast_blks_read,
coalesce(toast_blks_hit,$29) as toast_blks_hit, coalesce(tidb_x_blks_read,$30) as tidb_x_blks_read,
coalesce(tidb_x_blks_hit,$31) as tidb_x_blks_hit, coalesce(relpages,$32)::bigint*$33*$34 AS size, coalesce(relpages,$35)
as relpages, coalesce(reltuples,$36) as reltuples, relkind, case when relfrozenxid is null then $37 else age(relfrozenxid)
end as age_txid, cast(cast(relfrozenxid as text)as bigint) as relfrozenxid from pg_stat_user_tables s left outer join
pg_statio_user_tables i on s.relid = i.relid left outer join pg_class c on s.relid = c.oid
```

11.23 BEGIN

**Md5 id** 19aad9f2fe3ce0023298ab83f7e75775  
**Query id** 2397681704071010949  
**Database** crm  
**User** datasentinel

	Total	Per second	Per call
Time	0.0s	0.0s	0.0s
Calls	17.0	0.001	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

BEGIN

# 11.24 COMMIT

**Md5 id** 1d0ba376e273b9d622641124d8c59264  
**Query id** 3694949039461716331  
**Database** crm  
**User** datasentinel

	Total	Per second	Per call
Time	0.0s	0.0s	0.0s
Calls	17.0	0.001	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## Text

COMMIT

11.25 select relname, rolname as schemaname, relkind fro...

**Md5 id** 853ee081f9bd5a7c25c5823a90d739a2  
**Query id** 850519201490810831  
**Database** crm  
**User** datasentinel

	Total	Per second	Per call
Time	0.01s	0.001s	0.001s
Calls	5.0	0.001	
Shared Blocks			
Hit	35.0	0.01	7.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select relname, rolname as schemaname, relkind from pg\_class p, pg\_roles r where p.oid=\$1 and p.relowner=r.oid

# 11.26 ROLLBACK

**Md5 id** 2805522dd41e1b57da11967ac5fa258c  
**Query id** 7088996947831101750  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.01s	0.001s	0.001s
Calls	1081.0	0.051	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

## Text

ROLLBACK



11.27 select current\_database() as tag\_database, s.schem...

**Md5 id** 654d5c0457a2c35c7194cce31e2cb5f4  
**Query id** 8298445609554776432  
**Database** postgres  
**User** datasentinel

	Total	Per second	Per call
Time	0.01s	0.001s	0.001s
Calls	6.0	0.001	
Shared Blocks			
Hit	102.0	0.01	17.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

select current\_database() as tag\_database, s.schemaname as tag\_schemaname, s.relname as tag\_relname, s.indexrelname as tag\_indexrelname, coalesce(idx\_scan) as idx\_scan, coalesce(idx\_tup\_read) as idx\_tup\_read, coalesce(idx\_tup\_fetch) as idx\_tup\_fetch, coalesce(idx\_blks\_read,\$1) as idx\_blks\_read, coalesce(idx\_blks\_hit,\$2) as idx\_blks\_hit, coalesce(relpages,\$3)::bigint\*\$4\*\$5 AS size, coalesce(relpages,\$6) as relpages, relkind from pg\_stat\_user\_indexes s left outer join pg\_statio\_user\_indexes i on s.relid=i.relid and s.indexrelid=i.indexrelid left outer join pg\_class c on s.indexrelid = c.oid

11.28 SELECT extract(\$1 from now() - pg\_postmaster\_start...

Md5 id 66edf7db36e8105c9d1a63341ee3b31a  
Query id -601699501168248552  
Database postgres  
User datasentinel

	Total	Per second	Per call
Time	0.02s	0.001s	0.001s
Calls	360.0	0.017	
Shared Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Local Blocks			
Hit	0.0	0.0	0.0
Read	0.0	0.0	0.0
Dirtied	0.0	0.0	0.0
Written	0.0	0.0	0.0
Temporary Blocks			
Read	0.0	0.0	0.0
Written	0.0	0.0	0.0

Text

SELECT extract(\$1 from now() - pg\_postmaster\_start\_time()) || \$2 || to\_char(now() - pg\_postmaster\_start\_time(),\$3)